Amendments to the Claims

This listing of the claims replaces all prior versions and listings of the claims in regard to present application.

Listing of the Claims

1-18. (canceled)

19. (new) An extension transmitter card for use with a host computer, comprising:

a first circuit board assembly including extension transmitter circuitry and graphics controller circuitry;

a first connector disposed on the first circuit board assembly and electrically in communication with the extension transmitter circuitry; and

a second connector disposed on the first circuit board assembly and electrically in communication with the graphics controller circuitry, wherein the first and second connectors are configured to couple respectively with third and fourth connectors disposed on a second circuit board assembly of the host computer system.

20. (new) The extension transmitter card as recited in claim 19, wherein the second circuit board assembly includes a processor.

21. (new) The extension transmitter card as recited in claim 19, wherein the graphics controller circuitry comprises peripheral component interconnect (PCI) circuitry that facilitates communications with the second circuit board assembly via the second connector.

22. (new) The extension transmitter card as recited in claim 19, wherein the first and second electrical connectors communicate independently of one another.

23. (new) The extension transmitter card as recited in claim 19, comprising at least one of peripheral component interconnect (PCI) circuitry, PCI extended (PCI-X) circuitry, and accelerated graphics port (AGP) circuitry in communication with the graphics controller circuitry.

24. (new) The extension transmitter card as recited in claim 19, wherein the extension transmitter circuitry includes keyboard-video-mouse (KVM) extension circuitry.

25. (new) An extension transmitter card for use with a host computer, comprising:

a first circuit board assembly including keyboard-video-mouse (KVM) extension circuitry and graphics controller circuitry;

a first connector disposed on the first circuit board assembly and electrically in communication with the extension transmitter circuitry, wherein the first connector is configure to couple with a second connector disposed on a second circuit board assembly of the host computer;

a third connector disposed on the first circuit board assembly and electrically in communication with the graphics controller circuitry, wherein the third connector is configured to couple with a fourth connector disposed on the second circuit board assembly of the host computer; and

at least one of peripheral component interconnect (PCI) circuitry, peripheral component interconnect extended circuitry (PCI-X), and accelerated graphics port (AGP) circuitry disposed on the first circuit board assembly and in electrical communication with the graphics controller circuitry and the third connector.

26. (new) The extension transmitter card as recited in claim 25, wherein the first and third connectors communicate independently of one another.

27. (new) The extension transmitter card as recited in claim 25, wherein the second circuit board assembly includes a processor.

28. (new) The extension transmitter card as recited in claim 25, wherein third connector is configured to communicate analog video data between the second circuit board assembly and the graphics controller circuitry.

29. (new) The extension transmitter card as recited in claim 25, wherein the third connector is configured to communication digital video data between the second circuit board assembly and the graphic controller circuitry.

30. (new) A computer host, comprising:

a first circuit board assembly including a processor and first and second connectors; and

a second circuit board assembly including graphics controller circuitry, extension transmitter circuitry, and third and fourth connectors, wherein the third connector is in electrical communication with the first connector and the graphic controller circuitry, and the fourth connector is in electrical communication with the extension transmitter circuitry and the second connector, wherein the third and fourth connectors communicate independently of one another.

31. (new) The computer host as recited in claim 30, wherein the first circuit board assembly comprises a motherboard.

32. (new) The computer host as recited in claim 30, comprising a ribbon cable extending between the first and third connectors.

33. (new) The computer host as recited in claim 30, comprising a ribbon cable extending between the second and fourth connectors.

34. (new) The computer host as recited in claim 30, wherein the second circuit board assembly includes at least one of peripheral component interconnect (PCI) circuitry, peripheral component interconnect extended circuitry (PCI-X), and accelerated graphics port (AGP) circuitry in electrical communication with the graphics controller circuitry.

35. (new) The computer host as recited in claim 30, wherein the extension transmitter circuitry comprises keyboard-video-mouse (KVM) extension circuitry.

36. (new) A computer interface extension configuration, comprising:

a computer host, comprising:

a first circuit board assembly including a processor and first and second connectors; and

a second circuit board assembly including graphics controller circuitry, extension transmitter circuitry, and third and fourth connectors, wherein the third connector is in electrical communication with the first connector and the graphic controller circuitry, and the fourth connector is in electrical communication with the extension transmitter circuitry and the second connector, wherein the third and fourth connectors communicate independently of one another;

an extension receiver electrically coupled to at least one user interface device; and

a communication pathway configured to facilitate communications between the computer host and the at least one user interface device.

37. (new) The computer interface extension configuration as recited in claim 36, wherein the extension transmitter circuitry comprises keyboard-video-mouse (KVM) circuitry.

38. (new) The computer interface extension configuration as recited in claim 36, wherein the communication pathway comprises a fiber optic cable.

39. (new) The computer interface extension as recited in claim 36, wherein the communication pathway comprises a category five cable.

40. (new) The computer interface extension configuration as recited in claim 36, wherein the at least one user interface device includes at least one of a keyboard, a mouse, a video monitor, a speaker, a serial link, a universal serial bus (USB) link, a power button, and a microphone.

41. (new) The computer interface extension configuration as recited in claim 36, comprising at least one of peripheral component interconnect (PCI) circuitry, peripheral component interconnect extended circuitry (PCI-X), and accelerated graphics port (AGP) circuitry in electrical communication with the graphics controller circuitry.